

# BMH0703P12A2A

servo motor BMH - 3.4 Nm - 8000 rpm - keyed shaft - without brake - IP54

Product availability : Non-Stock - Not normally stocked in distribution facility



Price\* : 1,405.00 USD



## Main

Product or component type	Servo motor
Device short name	BMH
Maximum mechanical speed	8000 rpm
Continuous stall torque	30.09 lbf.in (3.4 N.m) for LXM32.D18N4 6 A at 400 V three phase 30.09 lbf.in (3.4 N.m) for LXM32.D18N4 6 A at 480 V three phase
Peak stall torque	90.27 lbf.in (10.2 N.m) for LXM32.D18N4 6 A at 400 V three phase 90.27 lbf.in (10.2 N.m) for LXM32.D18N4 6 A at 480 V three phase
Nominal output power	1300 W for LXM32.D18N4 6 A at 400 V three phase 1300 W for LXM32.D18N4 6 A at 480 V three phase
Nominal torque	21.24 lbf.in (2.4 N.m) for LXM32.D18N4 6 A at 400 V three phase 21.24 lbf.in (2.4 N.m) for LXM32.D18N4 6 A at 480 V three phase
Nominal speed	5000 rpm for LXM32.D18N4 6 A at 400 V three phase 5000 rpm for LXM32.D18N4 6 A at 480 V three phase
Product compatibility	LXM32.D18N4 at 400...480 V three phase
Shaft end	Keyed
IP degree of protection	IP54 (standard)
Speed feedback resolution	131072 points/turn x 4096 turns
Holding brake	Without
Mounting support	International standard flange
Electrical connection	Rotatable right-angled connectors

## Complementary

Range compatibility	Lexium 32
[Us] rated supply voltage	480 V
Phase	Three phase
Continuous stall current	3.91 A
Continuous power	1.68 W

Maximum current Irms	12.6 A for LXM32.D18N4
Maximum permanent current	12.57 A
Second shaft	Without second shaft end
Shaft diameter	0.55 in (14 mm)
Shaft length	1.18 in (30 mm)
Key width	0.79 in (20 mm)
Feedback type	Multiturn SinCos Hiperface
Motor flange size	2.76 in (70 mm)
Number of motor stacks	3
Torque constant	0.87 N.m/A at 248 °F (120 °C)
Back emf constant	55.8 V/krpm at 248 °F (120 °C)
Number of motor poles	10
Rotor inertia	1.67 kg.cm <sup>2</sup>
Stator resistance	2.65 Ohm at 68 °F (20 °C)
Stator inductance	8.6 mH at 68 °F (20 °C)
Stator electrical time constant	3.2 ms at 68 °F (20 °C)
Maximum radial force Fr	400 N at 6000 rpm 430 N at 5000 rpm 460 N at 4000 rpm 510 N at 3000 rpm 580 N at 2000 rpm 730 N at 1000 rpm
Maximum axial force Fa	0.2 x Fr
Type of cooling	Natural convection
Length	7.32 in (186 mm)
Centring collar diameter	2.36 in (60 mm)
Centring collar depth	0.1 in (2.5 mm)
Number of mounting holes	4
Mounting holes diameter	0.22 in (5.5 mm)
Circle diameter of the mounting holes	3.23 in (82 mm)
Product weight	6.61 lb(US) (3 kg)

## Ordering and shipping details

Category	18282 - LEXIUM 32 MOTORS
Discount Schedule	PC53
GTIN	003606485199283
Nbr. of units in pkg.	1
Package weight(Lbs)	4.2999999999999998
Returnability	N
Country of origin	DE

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0936 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

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Warranty period	18 months
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